Inventors: Gopal B. Avinash et al. Application No. 10/710,391 Attorney Docket No. 153643XZ (GEMS0250PUS) **Annotated Sheet Showing Changes** Filtered Image Iblended Generate a Structure Dependent Noise Within the Blended Image Intensity Match Values G_{TS} Generate an Adjusted Gradient Value G_{TA} Threshold Value G_{TV} Generate a Gradient 126 Structure Dependent Smooth Filter the Normalized Raw Image Data -108 Gradient Mask Gmag Generate a Structure Generate a Conditioned Blended Image Function Values W_F Generate Weighted -124 Smooth the Structure Mask Mcs Normalized Raw Image Data Modulate the Smoothed Low Count Structure Based on Counts Raw Image Date Data വ് Smooth the Normalized Normalize Raw Dependent Noise Filter Data to Image Data and the Structure Image Data Blend the Normalized Raw Form a Blended Image Ibur 201-104 ď Generate a Counts-Based LowCountLimit Modulation Mask Mcb LowCountFlat Ď 22 Image Data R Receive Raw 100 100

Title: COUNT ADAPTIVE NOISE REP

TION METHOD OF X-RAY IMAGES